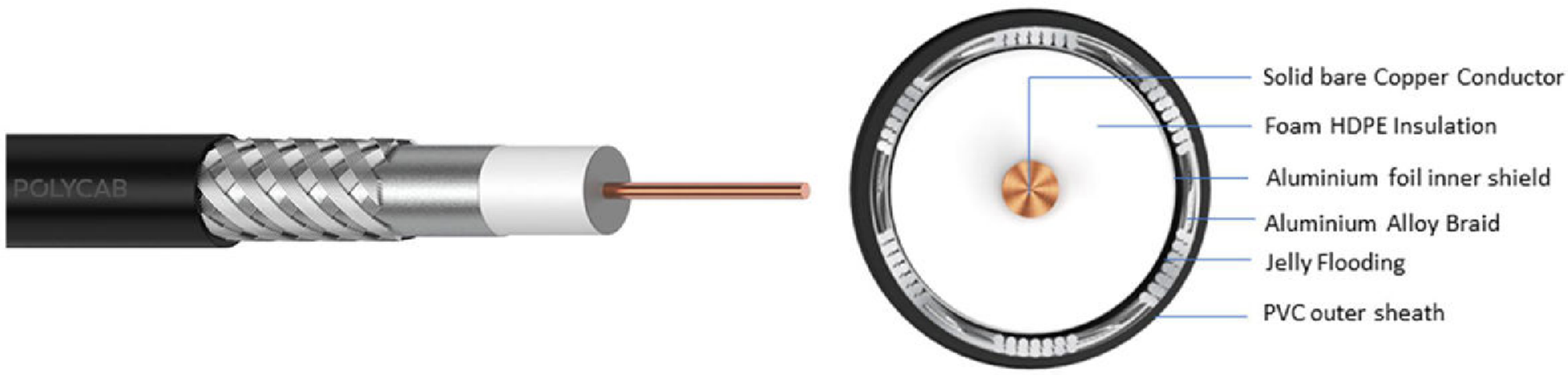
CABLES

POLYCAB



COAXIAL CABLE

TDS Doc.No:PIL/TE/250425/005898 **DESIGN CODE : RGPB05CPUAY1001CRG06**

Particulars	RG-6 F Unarmoured Co-axial Cable
Name of Manufacturer	Polycab India Limited
Type of cable	Co-axial Cable Unarmoured
Size	RG-6 F
Applicable Standard	ANSI/SCTE 74-2011
Conductor	
a) Material	Solid bare Copper
b) Conductor Diameter (mm)	1.020 ± 0.005
Insulation	
a) Material	Foam HDPE
b) Dia. Over Dielectric (mm)	4.57
c) Insulation Thickness (mm)	1.8
Inner Shield	
a) Material	Alum. Foil
b) Diameter Over Inner Shield (mm)	4.8
c) Width of Al Foil (mm)	17
Outer Shield	
a) Material	Aluminium Alloy
b) Diameter of Wire (mm)	0.1
c) Min. Braiding Coverage (%)	60%
d) Dia. Over Outer Shield (mm)	5.2
e) Flooding Compound	Jelly
Outer Sheath	
a) Material	PVC
b) Min. Outer Sheath thickness (mm)	0.7
c) Diameter over Outer Sheath (mm)	6.6 ± 1
d) Colour of Sheath	Black

Format ID: TE/QMS/F/07, R-00, Date: 16/03/2025

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Electrical Parameters		
a)	Nominal Impedance (Ohms)	75 ± 3
b)	Capacitance (pf / mtr)	53 ± 3
c)	Max. Conductor Resistance @ 20°C (Ohm/km)	21.4
d)	Attenuation @20 Deg C (dB/100 M)	
	5 MHz	1.95
	55 MHz	5.20
	211 MHz	9.50
	250 MHz	10.50
	300 MHz	11.50
	350 MHz	12.40
	400 MHz	13.30
	450 MHz	14.35
	550 MHz	15.70
	600 MHz	16.45
	750 MHz	18.35
	865 MHz	19.95
	1000 MHz	21.45
Packing Length (M)		1000/2000 Meter ± 5%

Note:-The values given above are subject to tolerances as per the relevant standards

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